

### ABSTRACT

An enameled wire capable of improving withstand lifetime with respect to the application of surge voltage of an inverter and thermal degradation thereof while restricting an amount of an inorganic filler material is provided. The enameled wire includes an electrically conductive wire (11) and a coating (12) formed of a high molecular compound uniformly mixed with an inorganic filler material in the form of fine flat particles provided around the electrically conductive wire (11). The enameled wire may include an electrically conductive wire (21), a coating (23) formed of a polyester imide resin solution mixed with an inorganic filler material in the form of fine flat particles and provided on the conductive wire and a coating (24) formed of polyamide imide and provided on the coating (23).